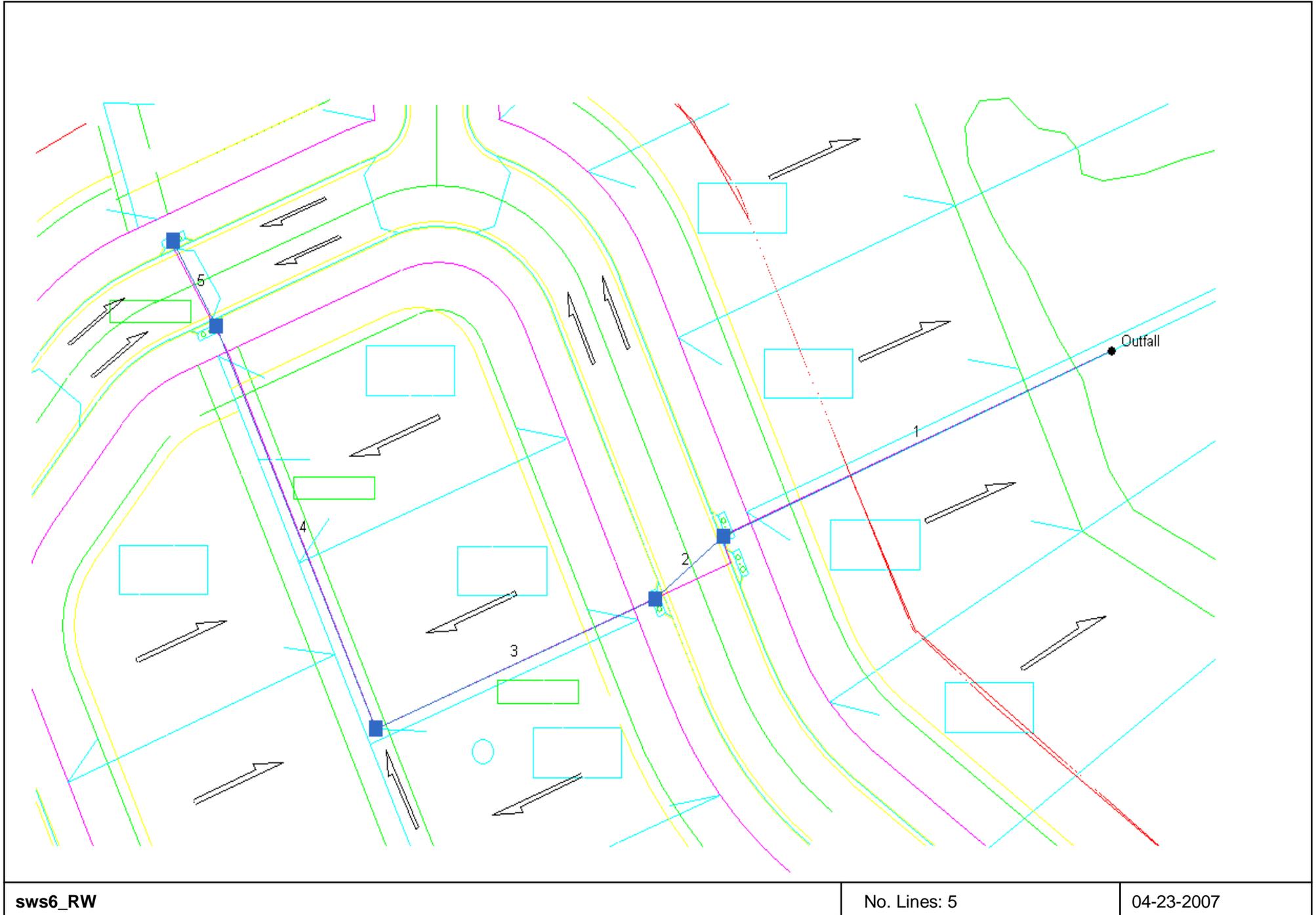


# Hydraflow Plan View



sws6\_RW

No. Lines: 5

04-23-2007

# Storm Sewer Summary Report

Line No.	Line ID	Flow rate (cfs)	Line size (in)	Line length (ft)	Invert EL Dn (ft)	Invert EL Up (ft)	Line slope (%)	HGL down (ft)	HGL up (ft)	Minor loss (ft)	HGL Junct (ft)	Dns line No.
1		12.40	24 c	196.5	1250.00	1251.18	0.601	1252.00	1252.53	n/a	1253.07 i	End
2		11.60	24 c	41.0	1251.18	1251.43	0.609	1253.07	1253.14	0.13	1253.27	1
3		10.80	24 c	140.8	1251.43	1252.28	0.604	1253.34	1253.56	n/a	1253.97 i	2
4		8.60	24 c	184.6	1252.28	1253.39	0.601	1253.97	1254.43	n/a	1255.01 i	3
5		4.30	15 c	41.1	1254.14	1254.38	0.584	1255.04	1255.28	n/a	1255.66 i	4

sws6\_RW

Number of lines: 5

Run Date: 04-23-2007

NOTES: c = cir; e = ellip; b = box; Return period = 2 Yrs. ; i - Inlet control.

# Inlet Report

Line No	Inlet ID	Q = CIA (cfs)	Q carry (cfs)	Q capt (cfs)	Q byp (cfs)	Junc type	Curb Inlet		Grate Inlet			Gutter						Inlet			Byp line No	
							Ht (in)	L (ft)	area (sqft)	L (ft)	W (ft)	So (ft/ft)	W (ft)	Sw (ft/ft)	Sx (ft/ft)	n	Depth (ft)	Spread (ft)	Depth (ft)	Spread (ft)		Depr (in)
1		0.80*	0.00	0.80	0.00	Curb	6.0	6.00	2.00	4.00	2.00	Sag	2.00	0.080	0.050	0.013	0.17	2.17	0.27	2.17	2.00	Off
2		0.80*	0.00	0.80	0.00	Curb	6.0	6.00	2.00	4.00	2.00	Sag	2.00	0.080	0.050	0.013	0.17	2.17	0.27	2.17	2.00	1
3		2.20*	0.00	2.20	0.00	DrGrt	6.0	6.00	2.00	4.00	2.00	Sag	2.00	0.050	0.050	0.013	0.16	8.20	0.16	8.20	0.00	2
4		4.30*	0.00	4.30	0.00	Curb	6.0	6.00	2.00	4.00	2.00	Sag	2.00	0.080	0.050	0.013	0.39	6.68	0.50	6.68	2.00	3
5		4.30*	0.00	4.30	0.00	Curb	6.0	6.00	2.00	4.00	2.00	Sag	2.00	0.080	0.050	0.013	0.39	6.68	0.50	6.68	2.00	4

sws6_RW	Number of lines: 5	Run Date: 04-23-2007
---------	--------------------	----------------------

NOTES: Inlet N-Values = 0.016 ; Intensity = 69.87 / (Inlet time + 13.10) ^ 0.87; Return period = 2 Yrs. ; \* Indicates Known Q added

# Hydraulic Grade Line Computations

Line	Size (in)	Q (cfs)	Downstream								Len (ft)	Upstream								Check		JL coeff (K)	Minor loss (ft)
			Invert elev (ft)	HGL elev (ft)	Depth (ft)	Area (sqft)	Vel (ft/s)	Vel head (ft)	EGL elev (ft)	Sf (%)		Invert elev (ft)	HGL elev (ft)	Depth (ft)	Area (sqft)	Vel (ft/s)	Vel head (ft)	EGL elev (ft)	Sf (%)	Ave Sf (%)	Enrgy loss (ft)		
1	24	12.40	1250.00	1252.00	2.00	3.14	3.95	0.24	1252.24	n/a	196	1251.18	1252.53	1.35	2.26	5.49	0.47	1253.00i	n/a	n/a	0.290	0.50	n/a
2	24	11.60	1251.18	1253.07	1.89	3.08	3.77	0.22	1253.29	0.228	41.0	1251.43	1253.14	1.71	2.85	4.07	0.26	1253.39	0.247	0.237	0.097	0.52	0.13
3	24	10.80	1251.43	1253.34	1.91	3.09	3.49	0.19	1253.53	n/a	141	1252.28	1253.56	1.28	2.13	5.08	0.40	1253.96i	n/a	n/a	0.029	1.50	n/a
4	24	8.60	1252.28	1253.97	1.69	2.82	3.04	0.14	1254.11	n/a	185	1253.39	1254.43 j	1.04**	1.65	5.22	0.42	1254.85i	n/a	n/a	n/a	0.50	n/a
5	15	4.30	1254.14	1255.04	0.90*	0.95	4.53	0.32	1255.36	n/a	41.1	1254.38	1255.28	0.90	0.95	4.54	0.32	1255.60i	n/a	n/a	-0.080	1.00	n/a

sws6\_RW

Number of lines: 5

Run Date: 04-23-2007

Notes: \* Normal depth assumed.; \*\* Critical depth.; j-Line contains hyd. jump.

# Storm Sewer Profile

Elev. (ft)

